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From the INTERNATIONAL SEA	RCHING AUTH	ORITY		DCT	1	
To: MARK C. COMTOIS 1667 K STREET, N.W. SUITE 700 WASHINGTON, DC			WR INTERNATIO	PCT ITTEN OPINION ONAL SEARCH		7 [*]
		, !	·	· (PCT Rule 43b	is.1)	
	· 		Date of mailing (day/month/year)	11 JUL	2006	
Applicant's or agent's f	ile reference		FOR FURTHER	ACTION See paragraph 2 belo	ow	
GRA26 026 PC		International filing date	(dev/month/war)	Priority date (day/i		
International application	a No.			12 May 2004 (12.0		
PCT/US05/16749	essification (IPC)	or both national classification	tion and IPC	12 Way 2004 (12.0		
IPC: H04B 7/15(2						
Applicant						
ANDREW CORPORA	TION					
1. This opinion conta	Basis of th	·				
Box No. II	I Non-estab	lishment of opinion with r	egard to novelty, inve	ntive step and indust	rial applicability	
Box No. IV		nity of invention				
Box No. V	Reasoned applicabil	statement under Rule 43bi	s.1(a)(i) with regard to ons supporting such s	o novelty, inventive tatement	step or industrial	
Box No. V	T Certain do	ocuments cited				
Box No. V	II Certain de	efects in the international a	pplication			
Box No. V	'III Certain ol	oservations on the internati	onal application			
International Pre Authority other that written opinion	international preli liminary Examin han this one to be ons of this Interna	iminary examination is m ing Authority ("IPEA") e the IPEA and the chose ational Searching Authorit	n IPEA has notified to y will not be so consider	the International Burdered.	reau under Rule 66.1bi	is(b)
IPEA a written re of Form PCT/ISA	eply together, wh V220 or before th	ove, considered to be a wrere appropriate, with amere expiration of 22 months	naments, before the e	XDII attott of 2 month.	12 Hotti tite cere er in-	iling
For further option	is, see Form PCI	/10 <i>P</i> //220.				
3. For further detail	s, see notes to Fo	rm PCT/ISA/220.				

Date of completion of this opinion

Authorized officer

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Facsimile No. (571) 273-3201

Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE

International application No.

INTERNATIONAL SEARCHING AUTHORITY PCT/US05/16749 Box No. I Basis of this opinion 1. With regard to the language, this opinion has been established on the basis of: the international application in the language in which it was filed a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)). 2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: type of material a sequence listing table(s) related to the sequence listing format of material on paper in electronic form time of filing/furnishing contained in the international application as filed. filed together with the international application in electronic form. furnished subsequently to this Authority for the purposes of search. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished. 4. Additional comments:

Form PCT/ISA/237 (Box No. V) (April 2005)

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lox No. V Reasoned statement und applicability; citations at	er Rule 43 <i>bis</i> .1(a)(i) i ad explanations suppo	with regard to novelty, inventive step orting such statement	or industrial
Statement			
	Claims	NONE	YES
Novelty (N)	Claims		
			YES
Inventive step (IS)		NONE 1-20	NO
	Claims	1-20	
Industrial applicability (IA)	Claims	1-20	YES
	Claims	NONE	NO
. Citations and explanations:			
lease See Continuation Sheet			
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International application No. PCT/US05/16749

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Supplemental Box In case the space in any of the preceding boxes is not sufficient.

V. 2. Citations and Explanations: Claims 1-20 lack novelty under PCT Article 33(2) as being anticipated by Bandeira (Bandeira et al. U.S. Publication 2002/0072,329).

Regarding claim 1, Bandeira discloses a wireless communication system comprising: a plurality of base stations (see for example, Figures –1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0038], lines 1-16, the communication system and multiple base stations); at least one mobile appliance (see for example, Figure 1, paragraph [0034], lines 1-5, [0035], lines 1-22, the mobile stations); at least one repeater (see for example, Figure 1, paragraphs [0020], [0021], [0038] through [0042], [0054]-[0055], [0061], and [0083], the repeaters); and a control and management device (see for example, Figure 1, paragraphs [0082], lines 1-9, [0084], lines 1-7, the processor and controlling device (managing device)), wherein the at least one repeater further comprises a scanning receiver (see for example, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], and [0088], the repeater receiver and scanning), and an interface wherein the scanning receiver is adapted to measure attributes of reverse link channels and wherein the interface operably connects the at least one repeater and the control and management device (see for example, Figures 1, 6-10, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], [0082], lines 1-9, [0084], lines 1-7, [0088]).

Regarding claim 6, Bandeira discloses a method of determining if a signal, from a source transmitter, received at a receiver has passed through the a network device (see for example, Figures –1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0038], lines 1-16, the communication system with network and receiving signal from the transmitter) comprising: scanning signals at the network device (see for example, Figures –1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020], [0038], lines 1-16, [0040], [0042], [0073], [0073], [0078], and [0088], the network and scanned signals); measuring an attribute of the scanned signals (see for example, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], and [0088], scanning signals); and communicating to a system manager the attributes of the scanned signals measured at the network device (see for example, Figures –1-10, paragraph [0005], lines 1-11, [0020], [0038], lines 1-16, [0040], [0042], [0073], [0042], [0073], [0064], [0068], [0078], and [0088]); and, determining which signals are served by the network device based at least in part of the measured attributes (see for example, Figures –1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020], [0038], lines 1-16, [0040], [0042], [0073], [0064], [0068], [0078], and [0088]).

Regarding claim 15, Bandeira discloses a method of determining if a mobile appliances signal received at a base station has been operated on by one or more repeaters (see for example, Figures -1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020] -[0021], [0038] through [0042], [0054], [0061], [0083], the communication system with repeater and the base station received signal) comprising: scanning reverse channel signals at the one or more repeaters (see for example, paragraphs

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

[0020], [0038], [0040], [0042], [0073], [0078], and [0088], scanning signals); measuring one or more attributes of the scanned reverse channel signals (see for example, Figures 1, 6-10, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], [0082], lines 1-9, [0084], lines 1-7, [0088]); transmitting to a system manager over a link the attributes of the scanned reverse channel signals and channel information of the reverse channel signals (see for example, Figures 1, 6-10, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], [0082], lines 1-9, [0084], lines 1-7, [0088]); determining the proximity of the mobile appliance to the one or more repeaters based at least in part by the measured attributes (see for example, Figures -1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020], [0038], lines 1-16, [0040], [0042], [0073], [0064], [0068], [0078], and [0088]); and determining which reverse channel signals are served by the one or more repeaters based at least in part by the proximity of the mobile appliance to the one or more repeaters (see for example, Figures -1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], [0020], [0021], [0038] through [0042], [0054]-[0055], [0061], [0064], [0068], [0080], [0083], [0085], [0088], [0090]).

Regarding claims 2, 8, and 16, Bandeira teaches all the limitations of claims 1, 7, 15, and further, Bandeira teaches wherein the attributes are selected from the group comprising: signal characteristics (see for example, Figures -1-10, paragraph [0005], lines 1-11, [0006], lines 1-10, [0006], lines 1-10, [0006], lines 1-10, [0006], lines 1-11, [0006], lines 1-11, [0006], lines 1-11, [0006], lines 1-10, [0006], [0006], [0008],

Regarding claim 3, Bandeira teaches all the limitations of claim 1, and further, Bandeira teaches wherein the scanning receiver is connected to an antenna of the at least one repeater (see for example, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], and [0088], scanning signals).

Regarding claim 4, Bandeira teaches all the limitations of claim 1, and further, Bandeira teaches wherein the at least one repeater and control and management device are connected via a wireless channel of one of the plurality of base stations (see for example, paragraphs [0005], [0008], [0017], [0020], [0021], [0045], [0046], [0076], [0077], [0082], [0084]).

Regarding claim 5, Bandeira teaches all the limitations of claim 1, and further, Bandeira teaches wherein the control and management device is connected to mobile switching center (see for example, Figurers 1-10, paragraphs [0005], [0008], [0017], [0020], [0021], [0045], [0046], [0076], [0077], [0082], [0084], controller connections and switching).

Regarding claim 7, Bandeira teaches all the limitations of claim 6, and further, Bandeira teaches wherein the attributes reflect a proximity to the network device (see for example, Figures -1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020], [0038], lines 1-16, [0040], [0042], [0073], [0064], [0068], [0078], and [0088]).

Regarding claim 9, Bandeira teaches all the limitations of claim 6, and further, Bandeira teaches wherein the network device is a repeater (see for example, Figure 1, paragraphs [0020], [0021], [0038] through [0042], [0054]-[0055], [0061], and [0083], the repeaters).

Regarding claim 10, Bandeira teaches all the limitations of claim 6, and further, Bandeira teaches wherein the network device is a micro station (see for example, Figure 1-10, paragraphs [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020], [0021], [0038] through [0042], [0054]-[0055], [0061], and [0083], the network station).

Regarding claim 11, Bandeira teaches all the limitations of claim 6, and further, Bandeira teaches wherein identifiers of the reverse channel are communicated along with the attributes (see for example, Figures 1, 6-10, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], [0082], lines 1-9, [0084], lines 1-7, [0088]).

Regarding claim 12, Bandeira teaches all the limitations of claim 6, and further, Bandeira teaches wherein the attributes are communicated to the system manager via the receiver (see for example, Figures –1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020], [0038], lines 1-16, [0040], [0042], [0073], [0064], [0068], [0078], and [0088]).

Regarding claims 13 and 19, Bandeira teaches all the limitations of claims 6, 15, and further, Bandeira teaches wherein the attributes are compared to a threshold at the system manager (see for example, Figures -1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020], [0038], lines 1-16, [0040], [0042], [0073], [0064], [0068], [0078], and [0088]).

Regarding claims 14 and 20, Bandeira teaches all the limitations of claims 11, 15, and further, Bandeira teaches wherein the identifiers of the reverse channel are translated into mobile appliance identity information with information provided from a mobile switching center (see for example, Figures 1, 6-10, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], [0082], lines 1-9, [0084], lines 1-7, [0088]).

Regarding claim 17, Bandeira teaches all the limitations of claims 15, and further, Bandeira teaches wherein the link is a wireless communication channel (see for example, Figures -1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0019], [0020] -[0021], [0038] through [0042], [0054], [0061], [0083], the communication system with repeater and the base station received signal).

Regarding claim 18, Bandeira teaches all the limitations of claims 15, and further, Bandeira teaches wherein the link is a wireline (see Form PCT/ISA/237 (Supplemental Box) (April 2005)

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or example, Figures —1-10, paragraph [0005],	lines 1-11, [0006], lines 1-7, [0006], lines	1-7, [0009], lines 1-10, the wired link).
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Form PCT/ISA/237 (Supplemental Box) (April 2005)

PATENT COOPERATION TREATY

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From the		
INTERNATIONAL	SEARCHING	AUTHORIT

From the	DIC ALITTIC	ND ITTI		
To: MARK C. COMTOIS	ING AUTHO	JKI Y		PCT
1667 K STREET, N.W. SUITE 700			73770	ITTEN OPINION OF THE
WASHINGTON, DC 20006	5		INTERNATIO	NAL SEARCHING AUTHORITY
				(PCT Rule 43bis.1)
			Date of mailing (day/month/year)	11 JUL 2006
Applicant's or agent's file ref	ference		FOR FURTHER	ACTION See paragraph 2 below
GRA26 026 PC				
International application No.		International filing date	(day/month/year)	Priority date (day/month/year)
PCT/US05/16749		11 May 2005 (11.05.200	05)	12 May 2004 (12.05.2004)
International Patent Classific	ation (IPC)	or both national classificati	ion and IPC	
IPC: H04B 7/15(2006.0				
USPC: 455/11.1	<u> </u>			
Applicant				
ANDREW CORPORATION	1			
1. This opinion contains in	dications rel	ating to the following item	ns:	
Box No. I	Basis of the	opinion		
Box No. II	Priority			}
Box No. III	Non-establ	ishment of opinion with re	gard to novelty, inve	ntive step and industrial applicability
Box No. IV		ity of invention		
Box No. V	Reasoned s	tatement under Rule 43bis y; citations and explanation	s.1(a)(i) with regard to ons supporting such s	o novelty, inventive step or industrial tatement
Box No. VI	Certain doo	cuments cited		··
Box No. VII	Certain def	ects in the international ap	plication	
Box No. VIII	Certain obs	servations on the internation	onal application	
International Prelimina	ational prelimary Examinit	A., ("IDHA") &	Except that this does IPEA has notified to	I be considered to be a written opinion of the s not apply where the applicant chooses an he International Bureau under Rule 66.1 bis(b) lered.
If this opinion is, as p IPEA a written reply to of Form PCT/ISA/220	rovided abov ogether, whe or before the	ve, considered to be a wri re appropriate, with amen expiration of 22 months f	itten opinion of the I	IPEA, the applicant is invited to submit to the xpiration of 3 months from the date of mailing
For further options, see	Form PCT/	ISA/220.		
2 For further details see	notes to For	m PCT/ISA/220.		·

Date of completion of this opinion

Authorized officer

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Facsimile No. (571) 273-3201 Form PCT/ISA/237 (cover sheet) (April 2005)

International application No.	
PCT/US05/16749 .	

D No	. I Basis of this opinion
BOX MO	. 1 Basis of this opinion
	the base established on the basis Of
l. With r	egard to the language, this opinion has been established on the basis of:
Ц	the international application in the language in which it was filed
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With i	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	on paper
	in electronic form
c.	time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in electronic form.
	furnished subsequently to this Authority for the purposes of search.
	[] turnished subsequently to and realism, so we pro-
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Addi	itional comments:
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International application No. PCT/US05/16749

			alter inventive step or	industrial
BOX No. V Reasoned statement under Rul applicability; citations and exp	le 43 <i>bis.</i> 1(a)(i) lanations supp	with regard to nov orting such statem	ent	
		<u> </u>		
Statement				
Novelty (N)				YES NO
	Claims	1-20		NO
	Claire	NONE		YES
Inventive step (IS)				
	Ç.u.m.z			
Industrial applicability (IA)	Claims			YES
	Claims	NONE		N0
				
. Citations and explanations:				
lease See Continuation Sheet				
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Form PCT/ISA/237 (Box No. V) (April 2005)

WRITTEN OPINION OF THE

International application No. PCT/US05/16749

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Supplemental Box	

In case the space in any of the preceding boxes is not sufficient.

V. 2. Citations and Explanations: Claims 1-20 lack novelty under PCT Article 33(2) as being anticipated by Bandeira (Bandeira et al. U.S. Publication 2002/0072,329).

Regarding claim 1, Bandeira discloses a wireless communication system comprising: a plurality of base stations (see for example, Figures –1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0038], lines 1-16, the communication system and multiple base stations); at least one mobile appliance (see for example, Figure 1, paragraphs [0020], [0034], lines 1-5, [0035]; lines 1-22, the mobile stations); at least one repeater (see for example, Figure 1, paragraphs [0020], [0021], [0038] through [0042], [0054]-[0055], [0061], and [0083], the repeaters); and a control and management device (see for example, Figure 1, paragraphs [0082], lines 1-9, [0084], lines 1-7, the processor and controlling device (managing device)), wherein the at least one repeater further comprises a scanning receiver (see for example, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], and [0088], the repeater receiver and scanning), and an interface wherein the scanning receiver is adapted to measure attributes of reverse link channels and wherein the interface operably connects the at least one repeater and the control and management device (see for example, Figures 1, 6-10, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], [0082], lines 1-9, [0084], lines 1-7, [0088]).

Regarding claim 6, Bandeira discloses a method of determining if a signal, from a source transmitter, received at a receiver has passed through the a network device (see for example, Figures –1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0038], lines 1-16, the communication system with network and receiving signal from the transmitter) comprising: scanning signals at the network device (see for example, Figures –1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020], [0038], lines 1-16, [0040], [0042], [0073], [0078], and [0088], the network and scanned signals); measuring an attribute of the scanned signals (see for example, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], and [0088], scanning signals); and communicating to a system manager the attributes of the scanned signals measured at the network device (see for example, Figures –1-10, paragraph [0005], lines 1-11, [0020], [0038], lines 1-16, [0040], [0042], [0073], [0042], [0073], [0064], [0068], [0078], and [0088]); and, determining which signals are served by the network device based at least in part of the measured attributes (see for example, Figures –1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020], [0038], lines 1-16, [0040], [0042], [0073], [0064], [0068], [0078], and [0088]).

Regarding claim 15, Bandeira discloses a method of determining if a mobile appliances signal received at a base station has been operated on by one or more repeaters (see for example, Figures –1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020] –[0021], [0038] through [0042], [0054], [0061], [0083], the communication system with repeater and the base station received signal) comprising; scanning reverse channel signals at the one or more repeaters (see for example, paragraphs

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International application No. PCT/US05/16749

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

[0020], [0038], [0040], [0042], [0073], [0078], and [0088], scanning signals); measuring one or more attributes of the scanned reverse channel signals (see for example, Figures 1, 6-10, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], [0082], lines 1-9, [0084], lines 1-7, [0088]); transmitting to a system manager over a link the attributes of the scanned reverse channel signals and channel information of the reverse channel signals (see for example, Figures 1, 6-10, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], [0082], lines 1-9, [0084], lines 1-7, [0088]); determining the proximity of the mobile appliance to the one or more repeaters based at least in part by the measured attributes (see for example, Figures -1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020], [0038], lines 1-16, [0040], [0042], [0073], [0064], [0068], [0078], and [0088]); and determining which reverse channel signals are served by the one or more repeaters based at least in part by the proximity of the mobile appliance to the one or more repeaters (see for example, Figures -1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], [0020], [0021], [0038] through [0042], [0054]-[0055], [0061], [0064], [0068], [0080], [0083], [0085], [0088], [0090]).

Regarding claims 2, 8, and 16, Bandeira teaches all the limitations of claims 1, 7, 15, and further, Bandeira teaches wherein the attributes are selected from the group comprising: signal characteristics (see for example, Figures -1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0068], [0078]), signal strength and band of received power (see for example, Figures -1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0064], [0068], [0078]),

Regarding claim 3, Bandeira teaches all the limitations of claim 1, and further, Bandeira teaches wherein the scanning receiver is connected to an antenna of the at least one repeater (see for example, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], and [0088], scanning signals).

Regarding claim 4, Bandeira teaches all the limitations of claim 1, and further, Bandeira teaches wherein the at least one repeater and control and management device are connected via a wireless channel of one of the plurality of base stations (see for example, paragraphs [0005], [0008], [0017], [0020], [0021], [0045], [0046], [0076], [0077], [0082], [0084]).

Regarding claim 5, Bandeira teaches all the limitations of claim 1, and further, Bandeira teaches wherein the control and management device is connected to mobile switching center (see for example, Figurers 1-10, paragraphs [0005], [0008], [0017], [0020], [0021], [0045], [0076], [0077], [0082], [0084], controller connections and switching).

Regarding claim 7, Bandeira teaches all the limitations of claim 6, and further, Bandeira teaches wherein the attributes reflect a proximity to the network device (see for example, Figures -1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020], [0038], lines 1-16, [0040], [0042], [0073], [0064], [0068], [0078], and [0088]).

Regarding claim 9, Bandeira teaches all the limitations of claim 6, and further, Bandeira teaches wherein the network device is a repeater (see for example, Figure 1, paragraphs [0020], [0021], [0038] through [0042], [0054]-[0055], [0061], and [0083], the repeaters).

Regarding claim 10, Bandeira teaches all the limitations of claim 6, and further, Bandeira teaches wherein the network device is a micro station (see for example, Figure 1-10, paragraphs [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020], [0021], [0038] through [0042], [0054]-[0055], [0061], and [0083], the network station).

Regarding claim 11, Bandeira teaches all the limitations of claim 6, and further, Bandeira teaches wherein identifiers of the reverse channel are communicated along with the attributes (see for example, Figures 1, 6-10, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], [0082], lines 1-9, [0084], lines 1-7, [0088]).

Regarding claim 12, Bandeira teaches all the limitations of claim 6, and further, Bandeira teaches wherein the attributes are communicated to the system manager via the receiver (see for example, Figures -1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020], [0038], lines 1-16, [0040], [0042], [0073], [0064], [0068], [0078], and [0088]).

Regarding claims 13 and 19, Bandeira teaches all the limitations of claims 6, 15, and further, Bandeira teaches wherein the attributes are compared to a threshold at the system manager (see for example, Figures -1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0020], [0038], lines 1-16, [0040], [0042], [0073], [0064], [0068], [0078], and [0088]).

Regarding claims 14 and 20, Bandeira teaches all the limitations of claims 11, 15, and further, Bandeira teaches wherein the identifiers of the reverse channel are translated into mobile appliance identity information with information provided from a mobile switching center (see for example, Figures 1, 6-10, paragraphs [0020], [0038], [0040], [0042], [0073], [0078], [0082], lines 1-9, [0084], lines 1-7, [0088]).

Regarding claim 17, Bandeira teaches all the limitations of claims 15, and further, Bandeira teaches wherein the link is a wireless communication channel (see for example, Figures –1-10, paragraph [0005], lines 1-11, [0006], lines 1-7, [0009], lines 1-10, [0017], lines 1-11, [0019], [0020] –[0021], [0038] through [0042], [0054], [0061], [0083], the communication system with repeater and the base station received signal).

Regarding claim 18, Bandeira teaches all the limitations of claims 15, and further, Bandeira teaches wherein the link is a wireline (see Form PCT/ISA/237 (Supplemental Box) (April 2005)

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In case the space in any of the preced for example, Figures -1-10, paragraph	h [0005], lines 1-11, [0006], lines 1-7, [0006], lines 1-7, [0009], lines 1-10, the v	vired link).
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